

REMARKS

By the present amendment, claims 21-55 have been added. Upon entry of this amendment, claims 1-55 will be pending in this application.

Conclusion

This application is now in condition for allowance and an early action to that effect is earnestly solicited.

Respectfully submitted,

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CERTIFICATE OF MAILING (37 CFR 1.8a)

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Amendments to the Claims

1. (Previously presented) A wireless communication device destined for operation in a particular wireless network, comprising:
a transceiver for communicating in the wireless network;
a processor for controlling operations of the transceiver based on initial configuration information including network communication parameters corresponding to this particular wireless network;

a passive tag for receiving the initial configuration information from an external source and storing the initial configuration information in a non-volatile memory at a time when the wireless communication device is otherwise in a non-operational mode; and

an interface for enabling the processor to access the initial configuration information stored in the memory when the wireless communication device is in an operational mode and thereby allowing operation in the wireless network by drawing upon the initial configuration information.

2. (Original) The wireless communication device of claim 1, wherein the passive tag comprises an antenna for receiving a radio frequency (RF) signal with the initial configuration information modulated thereon, and a decoder/demodulator for demodulating the RF signal and decoding the initial configuration information therefrom.

3. (Original) The wireless communication device of claim 2, wherein the passive tag derives power from the RF signal and provides the derived power to the decoder/demodulator and the memory.

4. (Previously presented) A wireless communication device comprising:
a transceiver for communicating in a wireless network;
a processor for controlling operations of the transceiver based on initial configuration information;
a passive tag for receiving the initial configuration information from an external source and storing the initial configuration information in a non-volatile memory at a time when the wireless communication device is otherwise in a non-operational mode; and

an interface for enabling the processor to access the initial configuration information stored in the memory when the wireless communication device is in an operational mode;

wherein the initial configuration information comprises at least one of a network address and a network identification for the wireless communication device.

5. (Original) The wireless communication device of claim 1, wherein the wireless communication device is a mobile terminal.

6. (Original) The wireless communication device of claim 1, wherein the wireless communication device is an access point.

7. (Original) The wireless communication device of claim 1, wherein the wireless communication device is non-operational by virtue of the processor being in a powered down state.

8. (Original) The wireless communication device of claim 1, wherein the wireless communication device is non-operational by virtue of being unassembled.

9. (Previously presented) A method for use in relation to a wireless communication device destined for operation in a particular network, the device including a transceiver for communicating in the wireless network, a processor for controlling operations of the transceiver based on initial configuration information including network communication parameters corresponding to this particular wireless network, and a passive tag, the method comprising the step of:

transmitting the initial configuration information from a source external to the wireless communication device so as to be received by the passive tag and stored in a non-volatile memory within the passive tag while the wireless communication device is otherwise in a non-operational mode;

interfacing the processor with passive tag to access the initial configuration information stored in the memory when the wireless device is in an operational mode; and

operating in the wireless network by drawing upon the initial configuration information.

10. (Original) The method of claim 9, wherein the passive tag comprises an antenna for receiving a radio frequency (RF) signal transmitted during the transmitting step with the initial configuration information modulated thereon, and a decoder/demodulator for demodulating the RF signal and decoding the initial configuration information therefrom.

11. (Original) The method of claim 10, further comprising the step of the passive tag deriving power from the RF signal and providing the derived power to the decoder/demodulator and the memory.

12. (Previously presented) A method for use in relation to a wireless communication device including a transceiver for communicating in a wireless network, a processor for controlling operations of the transceiver based on initial configuration information, and a passive tag, the method comprising the step of:

transmitting the initial configuration information from a source external to the wireless communication device so as to be received by the passive tag and stored in a non-volatile memory within the passive tag while the wireless communication device is otherwise in a non-operational mode;

wherein the initial configuration information comprises at least one of a network address and a network identification for the wireless communication device.

13. (Original) The method of claim 9, wherein the wireless communication device is a mobile terminal.

14. (Original) The method of claim 9, wherein the wireless communication device is an access point.

15. (Original) The method of claim 9, wherein the wireless communication device is non-operational by virtue of the processor being in a powered down state.

16. (Original) The method of claim 9, wherein the wireless communication device is non-operational by virtue of being unassembled.

17. (Previously presented) A method of initially configuring the wireless communication device of claim 1, said method comprising the steps of:
transmitting the initial configuration information from a source external to the wireless communication device;
receiving the initial configuration information by the passive tag and storing the initial configuration information in the non-volatile memory;
accessing the initial configuration information stored in the memory; and
controlling operations of the transceiver based on the initial configuration information.

18. (Previously presented) A method as set forth in claim 17, wherein the processor is in a powered-down state during the transmitting and receiving steps.

19. (Previously presented) A method as set forth in claim 17, wherein the wireless communication device is unassembled during the transmitting and receiving steps.

20. (Previously presented) A method of initially configuring a wireless communication device, the device comprising a transceiver for communicating in a wireless network; a processor for controlling operations of the transceiver based on initial configuration information; a passive tag for receiving the initial configuration information from an external source and storing the initial configuration information in a non-volatile memory at a time when the wireless communication device is otherwise in a non-operational mode; and an interface for enabling the processor to access the initial configuration information stored in the memory when the wireless communication device is in an operational mode, said method comprising the steps of:

transmitting the initial configuration information from a source external to the wireless communication device;
receiving the initial configuration information by the passive tag and storing the initial configuration information in the non-volatile memory;
accessing the initial configuration information stored in the memory; and
controlling operations of the transceiver based on the initial configuration information;

wherein said transmitting step comprises transmitting at least one of a network address and a network identification for the wireless communication device.

21. (New) A method of configuring and operating a wireless communication device for a particular wireless network, said method comprising:

manufacturing a plurality of wireless communication devices and storing them in an inventory, each of the devices having a transceiver for communicating in a wireless network, a processor, and a passive tag;

retrieving one of the wireless communication devices from the inventory when a request is received and the particular wireless network has been identified;

conveying initial configuration information to the passive tag of the retrieved wireless communication device, wherein the initial configuration information includes network communication parameters corresponding to said particular wireless network;

storing the conveyed initial configuration information in a non-volatile memory; interfacing the processor of the retrieved wireless communication device with its passive tag to access the initial configuration information stored in the memory; and

controlling operation of the transceiver of the retrieved wireless communication device based upon the initial configuration information.

22. (New) A method as set forth in claim 21, wherein the conveying and storing steps are performed when the processor is in a non-operational mode.

23. (New) A method as set forth in claim 21, wherein the wireless communication devices stored in the inventory are each in packaging, and wherein the packaging is not removed to perform the conveying and storing steps.

24. (New) A method as set forth in claim 21, wherein the wireless communication devices stored in the inventory are not fully assembled, and wherein the conveying and storing steps are performed while the retrieved wireless communication device is not fully assembled.

25. (New) A method as set forth in claim 21, wherein the conveying step is performed wirelessly.

26. (New) A method as set forth in claim 25, wherein conveying step is wirelessly performed by conveying a radio frequency (RF) signal with the initial configuration information modulated thereon to the passive tag, demodulating the RF signal, and decoding the initial configuration information therefrom.

27. (New) A method as set forth in claim 26, wherein the conveying step further comprises deriving power from the RF signal and providing the derived power to the decoder/demodulator and the memory.

28. (New) A method as set forth in claim 21, wherein the initial configuration information comprises a serial number, network identification, network address, passwords, encryption keys, and/or RF configuration data.

29. (New) A method as set forth in claim 21, wherein the communication parameters comprise a network address and/or a network identifier.

30. (New) A wireless communication device destined for operation in a particular wireless network, comprising:

a transceiver for communicating in the wireless network;
a processor for controlling operations of the transceiver;
a passive tag for receiving the initial configuration information from an external source and storing the initial configuration information in a non-volatile memory at a time when the wireless communication device is otherwise in a non-operational mode, wherein the initial configuration comprises information necessary to locate and communicate with a certain server in order to download certain software therefrom; and
an interface for enabling the processor to access the initial configuration information stored in the memory when the wireless communication device is in an operational mode;

wherein the processor is programmed to locate and communicate with the server via the initial configuration information and to direct downloading of said software from the server, thereby allowing operation in the wireless network by drawing upon the downloaded software.

31. (New) A wireless communication device as set forth in claim 30, wherein the server is an FTP server.

32. (New) A wireless communication device as set forth in claim 31, wherein the FTP server is part of the destined-for wireless network.

33. (New) A wireless communication device as set forth in claim 31, wherein the FTP server is controlled by the manufacturer of the wireless communication devices.

34. (New) A wireless communication device as set forth in claim 30, wherein the passive tag wirelessly receives the initial configuration information.

35. (New) A wireless communication device as set forth in claim 34, wherein the passive tag comprises an antenna for receiving a radio frequency (RF) signal with the initial configuration information modulated thereon and a decoder/demodulator for demodulating the RF signal and decoding the initial configuration information therefrom.

36. (New) A wireless communication device as set forth in claim 35, wherein the passive tag derives power from the RF signal and provides the derived power to the decoder/demodulator and the memory.

37. (New) A wireless communication device as set forth in claim 30, wherein the software package includes network communication parameters corresponding to said particular wireless network.

38. (New) A wireless communication device as set forth in claim 30, wherein the wireless communication device is a mobile terminal.

39. (New) A wireless communication device as set forth in claim 31, wherein the wireless communication device is an access point.

40. (New) A wireless communication device as set forth in claim 31, wherein the wireless communication device is non-operational by virtue of the processor being in a powered-down state.

41. (New) A wireless communication device as set forth in claim 31, wherein the wireless communication device is non-operational by virtue of being unassembled.

42. (New) A method of configuring and operating a wireless communication device in a particular wireless network, said method comprising:

- manufacturing a plurality of wireless communication devices and storing them in an inventory, each of the devices having a transceiver for communicating in a wireless network, a processor, and a passive tag;
- retrieving one of the wireless communication devices from the inventory when a request is received and the particular wireless network has been determined;
- conveying initial configuration information to the passive tag of the retrieved wireless communication device, wherein the initial configuration information includes data necessary to locate and communicate with a selected server;
- storing the conveyed initial configuration information in a non-volatile memory,
- interfacing the processor of the retrieved wireless communication device with its passive tag to access the initial configuration information stored in the memory so that the processor can locate the selected server;
- communicating with the server, via the processor, and downloading a software package to the processor; and
- controlling operation of the transceiver of the retrieved wireless communication device based upon the downloaded package.

43. (New) A method as set forth in claim 42, wherein the server is an FTP server.

44. (New) A method as set forth in claim 43, wherein the FTP server is on said particular wireless network.

45. (New) A method as set forth in claim 43, wherein the FTP server is controlled by the manufacturer of the wireless communication devices.

46. (New) A method as set forth in claim 42, wherein the conveying step is performed wirelessly.

47. (New) A method as set forth in claim 46, wherein the conveying step is wirelessly performed by conveying a radio frequency (RF) signal with the initial configuration information modulated thereon to the passive tag, demodulating the RF signal, and decoding the initial configuration information therefrom.

48. (New) A method as set forth in claim 47, wherein the conveying step further comprises deriving power from the RF signal and providing the derived power to the decoder/demodulator and the memory.

49. (New) A method as set forth in claim 42, wherein the wireless communication devices stored in the inventory are each in packaging, and wherein the packaging is not removed to perform the conveying and storing steps.

50. (New) A method as set forth in claim 42, wherein the wireless communication devices stored in the inventory are not fully assembled, and wherein the conveying and storing steps are performed while the retrieved wireless communication device is not fully assembled.

51. (New) A wireless communication device, destined for operation in a particular wireless network, comprising:

- a transceiver for communicating in the wireless network;
- a processor for controlling operations of the transceiver based upon communication parameters corresponding to the particular wireless network;
- a passive tag for receiving the initial configuration information from an external source and storing the initial configuration information in a non-volatile memory at a time when the wireless communication device is otherwise in a non-operational mode;

and

an interface for enabling the processor to access the initial configuration information stored in the memory when the wireless communication device is in an operational mode and thereby allowing operation in the wireless network by drawing upon the initial configuration information;

wherein the initial configuration information comprises the network communication parameters or information allowing downloading of software containing the network communication parameters.

52. (New) A method of configuring and operating a wireless communication device in a particular wireless network, said method comprising:

manufacturing a plurality of wireless communication devices and storing them in an inventory, each of the devices having a transceiver for communicating in a wireless network, a processor, and a passive tag;

retrieving one of the wireless communication devices from the inventory when a request is received and the particular wireless network has been determined;

conveying initial configuration information to the passive tag of the retrieved wireless communication device;

storing the conveyed initial configuration information in a non-volatile memory;

interfacing the processor of the retrieved wireless communication device with its passive tag to convey the initial configuration information stored in the memory to the processor;

determining network communication parameters from this initial configuration information; and

controlling operation of the transceiver of the retrieved wireless communication device based upon the network communication parameters.

53. (New) A method as set forth in claim 52, wherein the initial configuration information includes the network communication parameters.

54. (New) A method as set forth in claim 52, wherein the initial configuration information comprises information allowing downloading of software containing the network communication parameters, and wherein the determining step comprises downloading the software to the processor.

55. (New) A method as set forth in claim 54, wherein the initial configuration information allows the processor to locate a selected server and communicate therewith, wherein the software is available on such selected server, and wherein said downloading step comprises transmitting the software from the server to the processor.
